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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions of claims in the application:

- 1. (currently amended) A method for detecting RNA-dependent RNA polymerase (RdRp) activity comprising:
 - (a) providing a primer oligonucleotide having a 3' OH;
- (b) contacting said primer oligonucleotide with a template polynucleotide and allowing hybridization to occur to form a hybridized polynucleotide;
- (c) adding an RNA-dependent RNA polymerase to said hybridized polynucleotide to produce a mixture;
 - (d) adding a PP: detection mixture to said mixture;
- (e) adding a substrate mixture comprising a nucleotide triphosphate or an analog thereof to said mixture; and
 - (f) measuring a product of the PP_i detection mixture; wherein

apyrase is not part of the mixture and steps (c), (d) and (e) may be performed simultaneously or separately in any order.

- 2. (currently amended) The method of claim 1, wherein said RNA-dependent polymerase RdRp is a viral RNA-dependent RNA polymerase (RdRp) RdRp from a virus selected from the group consisting of Hepatitis C virus, poliovirus, West Nile virus, Dengue virus, Human T Cell Leukemia virus, St. Louis Encephalitis virus, Yellow Fever virus and Measles virus.
- 3. (original) The method of claim 2, wherein said RdRp is from Hepatitis C virus.

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4-6. (cancelled)

- 7. (original) The method of claim 1, wherein said hybridized polynucleotide comprises synthetic poly(G) and poly(C).
- 8. (original) The method claim 1, wherein said primer oligonucleotide and said template polynucleotide are on the same RNA molecule.
- 9. (original) The method of claim 1, wherein said PP₁ detection mixture comprises luciferase, luciferin, ATP sulphurylase and adenosine 5'-phosphosulfate (APS) and said product is emitted light.
- 10. (original) The method of claim 9, wherein the emitted light is measured with a luminometer.
- 11. (original) The method of claim 9, wherein said luciferase is a thermostable luciferase.
- 12. (currently amended) A method for evaluating an inhibitor of an RNA-dependent RNA polymerase (RdRp) comprising:
 - (a) providing a primer oligonucleotide having a 3' OH;
- (b) contacting said primer oligonucleotide with a template polynucleotide and allowing hybridization to occur to form a hybridized polynucleotide;
- (c) adding an RNA-dependent <u>RNA</u> polymerase to said hybridized polynucleotide to produce a mixture;
 - (d) adding a PP; detection mixture to said mixture;
- (e) adding a substrate mixture comprising a nucleotide triphosphate or an analog thereof to said mixture;

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- (f) adding a compound that is or is suspected of being an inhibitor of said RNA-dependent RNA polymerase; and
 - (g) measuring a product of the \mbox{PP}_{i} detection mixture; wherein

apyrase is not part of the mixture, and steps (c), (d), (e) and (f) may be performed simultaneously or separately in any order.

- 13. (currently amended) The method of claim 12, wherein said RNA dependent polymerase RdRp is a viral RNA dependent RNA polymerase (RdRp) RdRp from a virus selected from the group consisting of Hepatitis C virus, poliovirus, West Nile virus, Dengue virus, Human T Cell Leukemia virus, St. Louis Encephalitis virus, Yellow Fever virus and Measles virus.
- 14. (original) The method of claim 13, wherein said RdRp is a recombinantly produced Hepatitis C virus NS5B.

15-17. (cancelled)

- 18. (original) The method of claim 12, wherein said hybridized polynucleotide comprises synthetic poly(G) and poly(C).
- 19. (original) The method claim 12, wherein said primer oligonucleotide and said template polynucleotide are on the same RNA molecule.
- 20. (original) The method of claim 12, wherein said PP detection mixture comprises luciferase, luciferin, ATP sulphurylase and adenosine 5'-phosphosulfate (APS) and said product is emitted light.

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- 21. (original) The method of claim 20, wherein the emitted light is measured with a luminometer.
- 22. (original) The method of claim 21, wherein said luciferase is a thermostable luciferase.